

N^o 1651



A.D. 1891

Date of Application, 29th Jan., 1891

Complete Specification Left, 28th Oct., 1891—Accepted, 5th Dec., 1891

PROVISIONAL SPECIFICATION.

Improvements in Administering Medicines and in the Preparation of the same for use.

I, WILLIAM OPPENHEIMER, of 1 and 3 Sun Street, and 39 Wilson Street, Finsbury Square, London E.C. Manufacturing Chemist do hereby declare the nature of my said invention to be as follows :—

My invention relates to the forms of medical preparations which are known as capsules, wafers, pills, granular, or compressed drugs, which are intended to dissolve in the stomach, and thus set free the medicine where it is intended to operate ; and the object of my invention is to improve and extend the use of such preparations by manufacturing them in the form of compound carpels, with a different kind of medicine in each carpel, so arranged that mixture of the medicines will not take place until the capsule wafer, pill, granule or any form of compressed drugs is dissolved in the stomach or elsewhere and the medicines are free to mix.

In carrying out my invention, I use capsules wafers, pills, granules or any form of compressed drugs of any convenient form, such as the lentil or double convex lens, globular, semi-globular, double-globular, or of any other preferred shape ; and containing two or more kinds of medicine consisting of compatible or incompatible drugs, which are kept entirely separate by a division wall or walls, formed of soluble or insoluble substances, which will enable the medicines to mix together when taken into the stomach.

The enclosed medicine may be in the form of powder, fluid, or solid, as found best suited to the required treatment.

The medicines so prepared may be dissolved or mixed in water or any other suitable matter and taken as a draught, if preferred.

Dated 29th January 1891.

GEO. DOWNING,

8, Quality Court, London, W.C., Agent for Applicant.

COMPLETE SPECIFICATION.

Improvements in Administering Medicines and in the Preparation of the same for use.

I, WILLIAM OPPENHEIMER, of 1 and 3 Sun Street and 39 Wilson Street, Finsbury Square, London E.C., Manufacturing Chemist, do hereby declare the nature of my said invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

My invention relates to those forms of medicine which are conveyed into the system intact, and medicines of a compound matter which in the compound form are subject to deterioration and are only intended to dissolve and intermix after being taken into the stomach or elsewhere, where they are intended to operate ; and the object of my invention is to improve and extend the use of such preparations, by manufacturing them in the form of compound carpels, cells or receptacles with a different kind of medicine or drug in each carpel.

In carrying out my invention, I make the compound medicines as capsules, wafers, pills, or granules, of any convenient form, such as the lentil or double convex lens ; or globular, semi-globular, double-globular, or of any other preferred shape ; and of any suitable substance such as a compound of gelatine gum and sugar or other suitable material which will open in the presence of aqueous moisture

[Price 6d.]

Oppenheimer's Improvements in Administering Medicines, &c.

and containing two or more kinds of medicine or drug of compatible or incompatible natures, compressed or otherwise.

The medicines or drugs are kept entirely separate by a division wall or division walls, formed of the same material as the capsule or if preferred this wall may be made of other suitable substance which will dissolve or which will separate from one side of the capsule in the presence of aqueous moisture and thus release the medicines or drugs and enable them to mix together. 5

The enclosed medicines or drugs may be in the form of powder, fluid (not aqueous) or solid, as found best suited to the required treatment.

The medicines so prepared as herein described may, if preferred, be dissolved or mixed in water or other suitable fluids containing sufficient water for dissolution and taken as a draught. 10

And in order that my said invention may be particularly described and ascertained, reference is hereby made to the accompanying drawings, in which similar letters of reference indicate corresponding parts. 15

Fig. 1 is a section of a globular capsule, drawn to an enlarged scale, having an external wall *a*, a division wall *b*, and two spaces or cells *c d* for containing different medicines or drugs which are intended to combine.

Fig. 2 illustrates a double globular form of capsule containing two cells.

Fig. 3 shows the lentil or double convex lens form, with two cells. 20

Fig. 4 shows a rectangular form, also with two cells.

Figs. 5 and 6 are further illustrations of the lentil or double convex lens form, with three cells *c d* and *e*.

Other forms may be adopted in carrying out my invention, the number of cells being arranged according to the number of separate drugs required to be enclosed, the principle of my said invention being to keep these medicines or drugs separate until the proper time and occasion for their combining. 25

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:— 30

1. The improved preparation of medicine, so made up and combined in one cover, that two or more kinds of medicine or drugs are contained therein, the said medicines or drugs being kept separate from each other and prevented by one or more division wall or walls from mixing until the proper occasion has arisen for their combining substantially as and for the purpose described. 35

2. As an improved article of manufacture, a capsule internally divided into two or more chambers containing different kinds of medicine or drugs, substantially as and for the purpose described.

3. The improvements in administering medicines and drugs and in the preparation of the same for use, substantially as hereinbefore described and illustrated by the drawings. 40

Dated 28th October 1891.

GEO. DOWNING,
8, Quality Court, London, W.C., Agent.

London : Printed for Her Majesty's Stationery Office, by Darling & Son, Ltd.—1891



FIG. 1

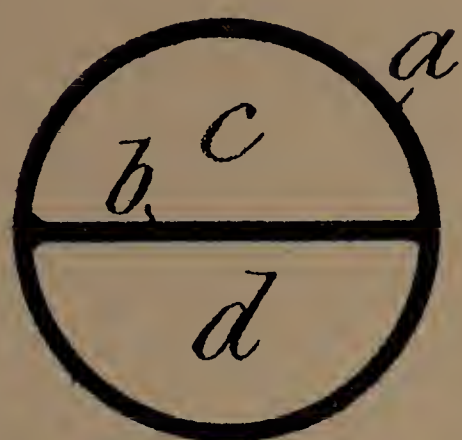


FIG. 2

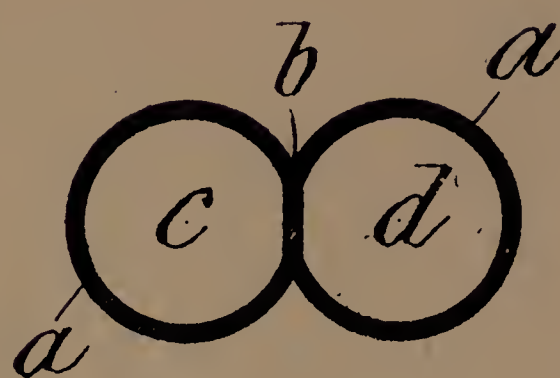


FIG. 3

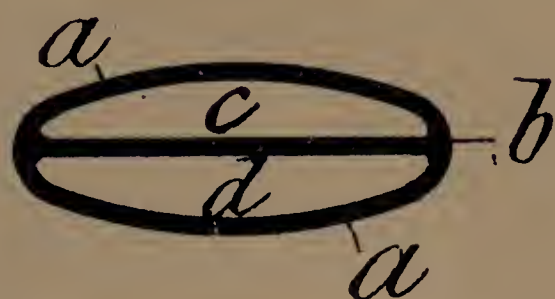


FIG. 4

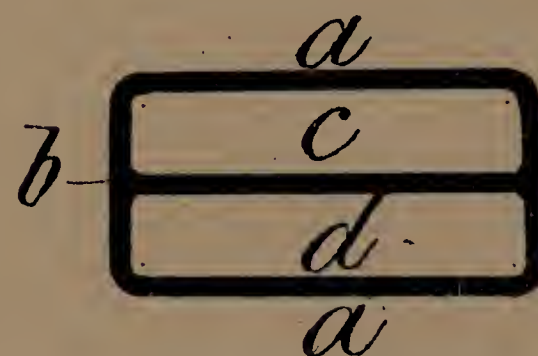


FIG. 5

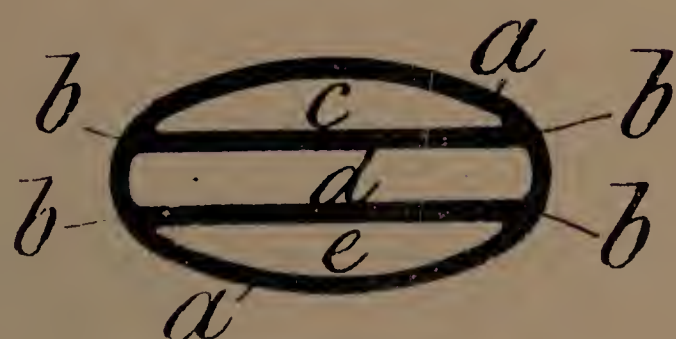
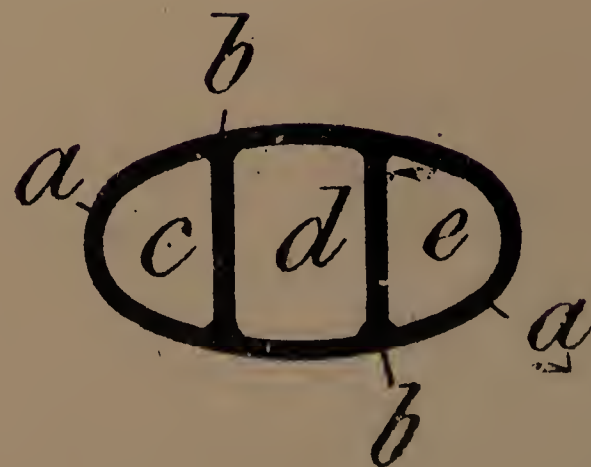


FIG. 6



[This Drawing is a full-size reproduction of the Original.]

